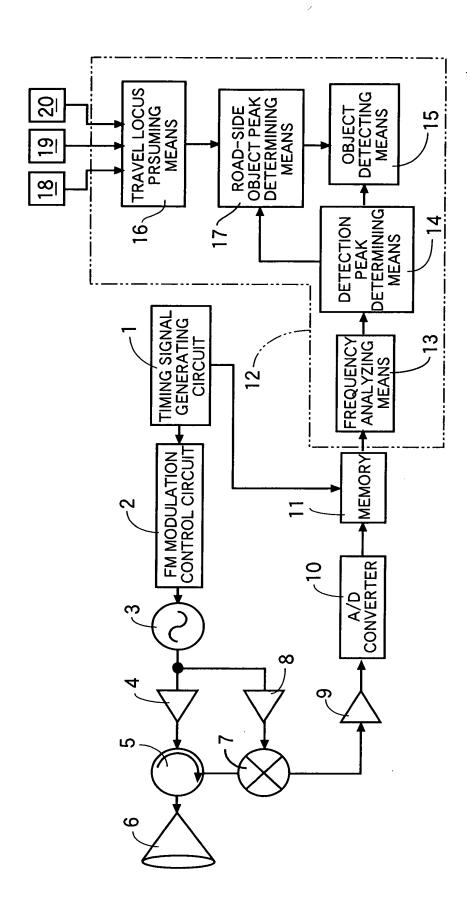
FOR VEHICLE

Inventor's Name: SAWAMOTO, et al.

Application No.: NEW Docket No.: 107348-00373



-<u>1</u>2

FOR VEHICLE
Inventor's Name: SAWAMOTO, et al.
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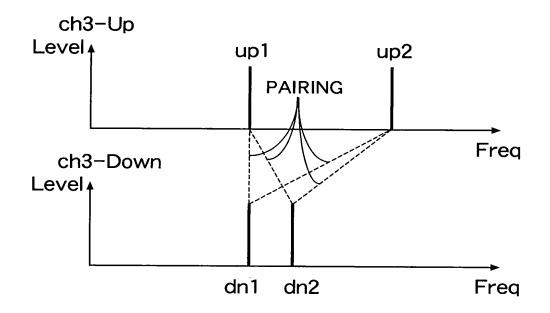
PRECEDING VEHICLE SUBJECT VEHICLE

Title: OBJECT-DETECTING SYSTEM

FOR VEHICLE

Inventor's Name: SAWAMOTO, et al.

FIG.3



Title: UDJECT-DETECTING 5131ENI FOR VEHICLE Inventor's Name: SAWAMOTO, et al. Application No.: NEW Docket No.: 107348-00373 FIG.4 **START** PRESUME SHAPE OF ROAD S2 FFT PROCEDURE **S3** EXTRACT ASCENDING-SIDE PEAK (Fup) AND DESCENDING-SIDE PEAK (Fdn) FROM DETECTION SPECTRUM FOR EVERY ch **S4** PLOT ASCENDING-SIDE AND DESCENDING-SIDE PEAKS FOR EVERY ch IN TWO-DIMENSION **S5 EXCLUDE TWO-DIMENSIONALLY PLOTTED DETECTION PEAKS WHICH ARE MATCHED** WITH SHAPE OF ROAD **S6** PAIR DETECTION PEAKS WHICH ARE NOT EXCLUDED

CALCULATE NECESSARY DISTANCE
AND SPEED RELATIVE TO OBJECT

END

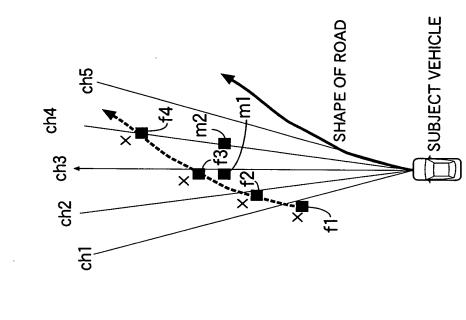
S7

Title: OBJECT-DETECTING SYSTEM FOR VEHICLE

FIG.5B

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₹ SUBJECT VEHICLE SHAPE OF ROAD ASCENDING-SIDE DETECTION PEAK 당

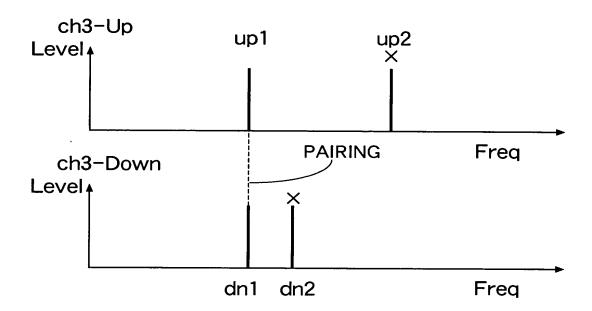
(INDICATED IN TWO-DIMENSION)

DESCENDING-SIDE DETECTION PEAK (INDICATED IN TWO-DIMENSION) TITLE: UBJECT-DETECTING SYSTEM >

FOR VEHICLE

Inventor's Name: SAWAMOTO, et al.

FIG.6

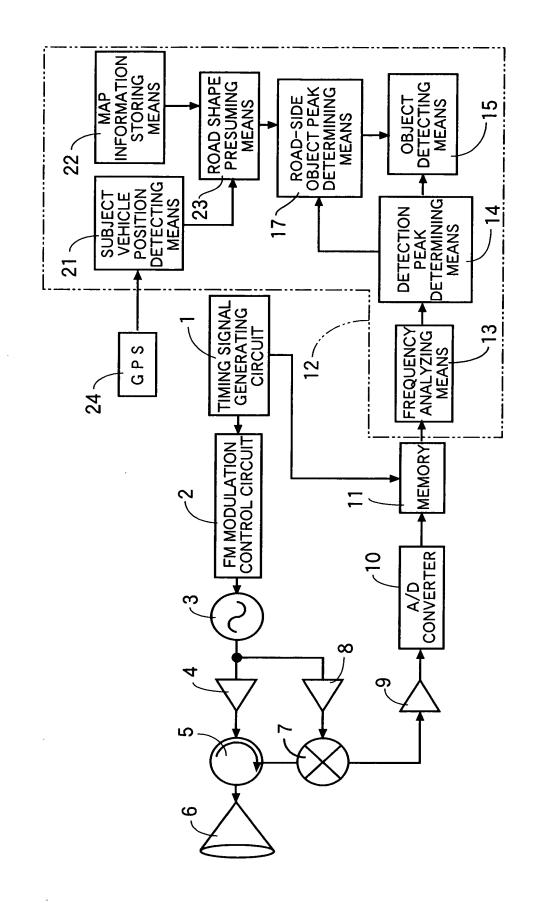


Title: OBJECT-DETECTING SYSTEM FOR VEHICLE Inventor's Name: SAWAMOTO, et al. Application No.: NEW Docket No.: 107348-00373

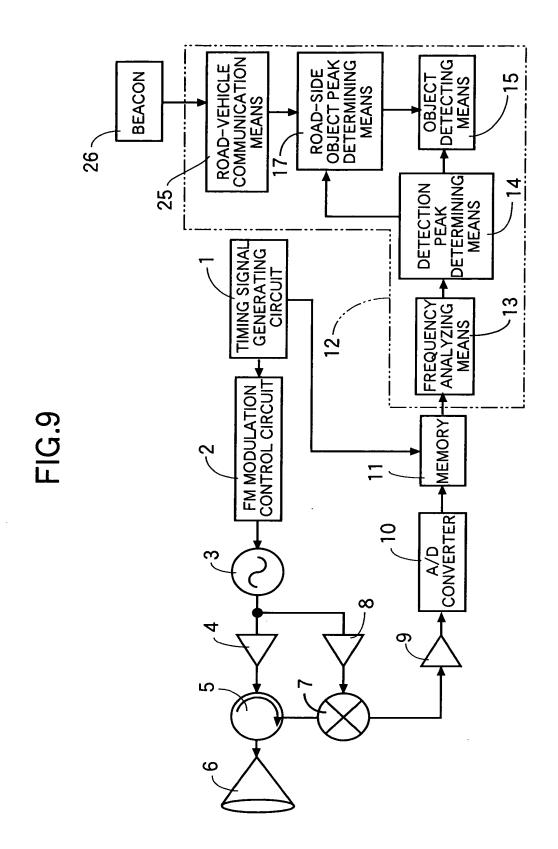
SHAPE OF ROAD **₹** SUBJECT VEHICLE **DESCENDING-SIDE DETECTION PEAK** (INDICATED IN TWO-DIMENSION) ch5 ch2 ch3 ch4 FIG.7B → SUBJECT VEHICLE SHAPE OF ROAD ASCENDING-SIDE DETECTION PEAK (INDICATED IN TWO-DIMENSION) FIG.7A ch1

FOR VEHICLE

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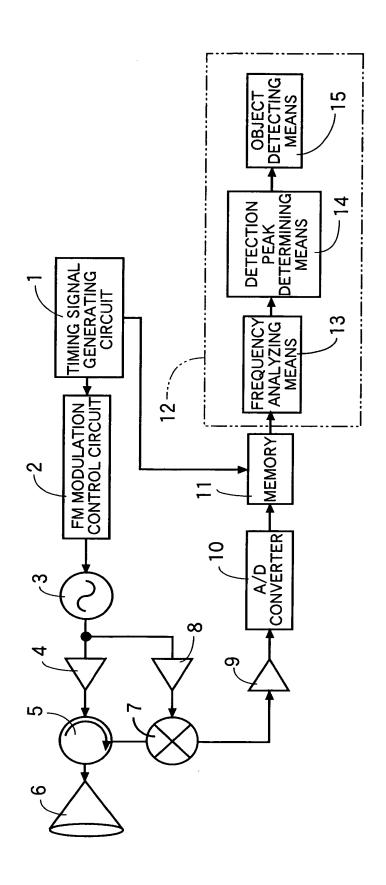


FOR VEHICLE
Inventor's Name: SAWAMOTO, et al.



Title: OBJECT-DETECTING SYSTEM FOR VEHICLE
Inventor's Name: SAWAMOTO, et al.
Application No.: NEW
Docket No.: 107348-00373

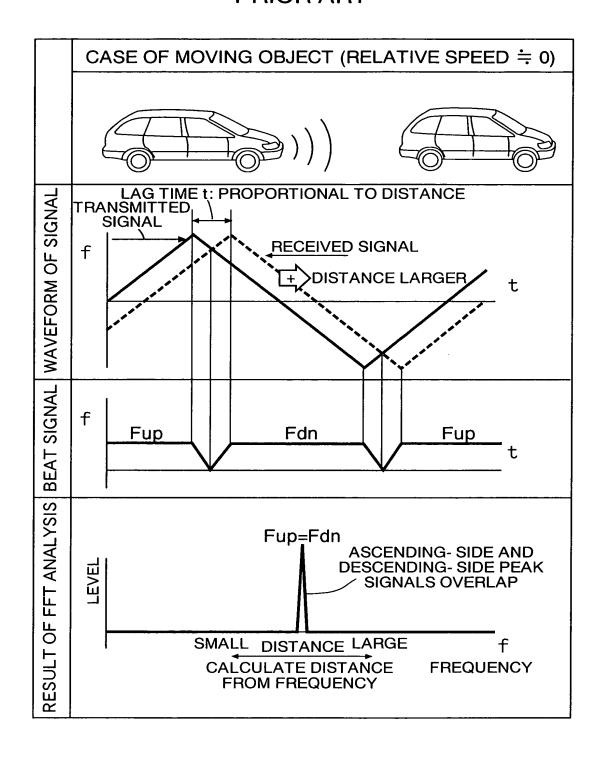
FIG.10 PRIOR ART



FOR VEHICLE

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FIG.11 PRIOR ART

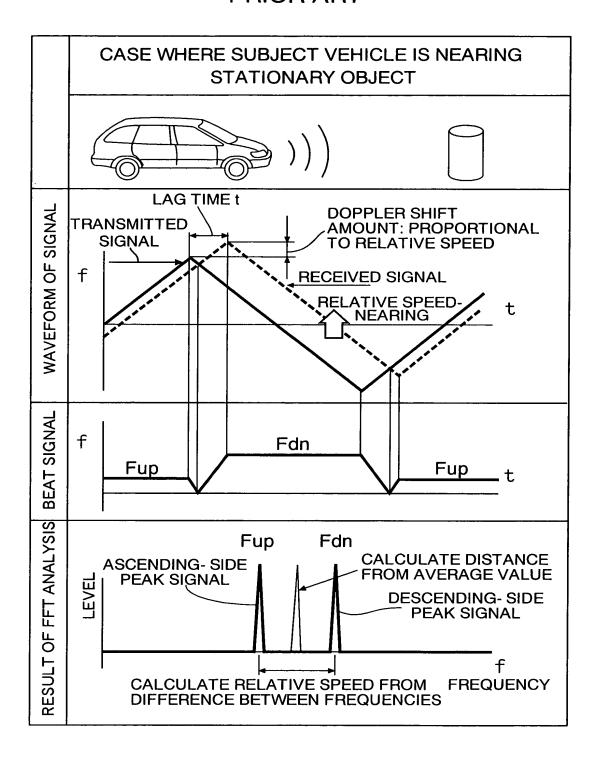


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FIG.12 PRIOR ART



FOR VEHICLE

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FIG.13 PRIOR ART

